Seat No.:	Enrolment No.

		GUJARAT TECHNOLOGICAL UNIVERSITY	
~		BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2017	
	•	t Code: 2182903 Date: 04/05/20)17
	•	t Name: Technical Textile-II	
		10:30 AM to 01:00 PM Total Marks:	70
Ins	struction		
		Attempt all questions. Make suitable assumptions wherever necessary.	
		Figures to the right indicate full marks.	
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Q.1	(a)	Define: Protective Clothing.	04
	(b) (c)	Enlist the purposes for which protective clothing is used in various industries. Write short note on: Bullet Proof vest.	03 07
Q.2	(a)	What is meant by Ideal wound dressing? What are the expectations from it?	07
	(b)	Write short note on: Copper treated soft fibres & their applications.	07
	(3.)	OR	0=
	(b)	Write short note on: Surgical Gowns.	07
Q.3	(a)	Compare conveyer with power transmission belt. With the help of neat diagrams explain different structures of belts.	07
	(b)	Discuss in detail about different types of absorbent products for Personal health & hygiene.	07
		OR	
Q.3	(a)	Nanotechnology holds an enormously promising future for textiles. Justify.	10
	(b)	Write in brief about 'Cosmeto-textiles'.	04
Q.4	(a)	Discuss application areas & pre-requisites of Automotive textiles.	08
_	(b)	Discuss in brief about textile articles being used in Air-crafts.	06
		OR	
Q.4	(a)	Explain in detail the concept of Tissue engineering.	07
	(b)	Why Nylon 6,6 is most preferred fibre to be used for the production of airbags. Justify.	07
Q.5	(a)	Discuss the environmental application of nonwovens.	07
	(b)	Discuss the filtration function of Geotextiles.	07
		OR	
Q.5	(a)	Discuss the key design properties & testing standards of Geotextiles.	07
	(b)	Explain in detail different materials used as orthopedic & cardiovascular implants.	07
